Claims Listing

This listing of Claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A method of establishing immediate immunity to a target in an individual comprising, administering to the individual an effective amount of a composition comprising one or more immunity linkers,

wherein the immunity linkers comprise at least one first binding site,

wherein the first binding site is an aptamer nucleic acid that binds to a pre-existing immune response component, wherein the pre-existing immune response component is a B-cell/humoral or a T-cell/cellular immune response component, ~~and~~

wherein the immunity linkers further comprise at least one second binding site,

wherein the second binding site is an aptamer nucleic acid that binds to the target, and

wherein the immunity is selected from a cellular immunity, and humoral immunity.

2. (Original) The method of Claim 1, wherein the pre-existing immune response component is induced by administering to the individual a universal immunogen.

3. (Original) The method of Claim 1, wherein the pre-existing immune response component is induced by administering to the individual a universal immunogen that is an immunological equivalent of the first binding site.

4. (Original) The method of Claim 1, wherein the pre-existing immune response component exists in the individual without administration of a universal immunogen.

5. Canceled.

6. Canceled.

7. (Original) The method of Claim 1, wherein the target is a pathogen.

8. Canceled.

9. Canceled.

10. Canceled.

11. Canceled.

12. Canceled.

13. (Original) The method of Claim 1, wherein the individual is unable to mount an effective immune response to the target prior to administration of the immunity linker.

14. (Original) The method of Claim 1, wherein the immunity is a cellular immunity.

15. (Original) The method of Claim 1, wherein the immunity is a humoral immunity.

16. (Original) The method of Claim 1, wherein the composition comprises a population of immunity linkers comprising first binding sites that differ in

a. their specificity for different binding sites on the immune response component, or

b. their affinity for the same binding sites on the immune response component.

17. (Original) The method of Claim 16, wherein the immune response component comprises an antibody.

18. (Original) The method of Claim 1, wherein the composition comprises a population of immunity linkers comprising second binding sites that differ in

a. their specificity for different binding sites on the target, or

b. their affinity for the same binding site on the target.

19. Canceled.

20. Canceled.

21. Canceled.

22. (Original) The method of Claim 1, wherein the immunity linker molecule binds at the first binding site to an antibody previously induced in the individual and binds to the target at the second binding site thereby linking a pre-existing immunity to the target.

23. (Currently amended) The method of Claim 1, wherein the pre-existing ~~immunity~~ immune response component results from an immunizing molecule being administered with an adjuvant and optionally with a booster.

24. (Original) The method of Claim 1, wherein the target is selected from bacteria, fungi, viruses, toxic substances or drugs.

25. (Currently amended) The method of Claim 1, wherein the composition comprises a population of immunity linkers having more than one second binding site to a single target.

26. (Currently amended) The method of Claim ~~1~~25, wherein the more than one second binding sites have different affinities to a single target.

27. (Original) The method of Claim 1, wherein the composition comprises a population of immunity linkers having multiple second binding sites against multiple targets.

28. (Original) The method of Claim 1, wherein the first and second binding sites are connected by a rigid or flexible spacer.

29. (Original) The method of Claim 1, wherein the composition is administered intramuscularly, subcutaneously, orally, intravenously, or through mucosal membranes.

30. (Original) The method of Claim 17, wherein the antibody is an antibody to alpha galactosyl epitopes.

31. (Original) The method of Claim 1, wherein at least one of the aptamers contains 2'fluoro or 2'amino-2' deoxypyrimidines.

32. (Currently amended) A composition comprising one or more immunity linkers, wherein the immunity linkers comprise

at least one first binding site,

wherein the first binding site is an aptamer nucleic acid that binds to a pre-existing immune response component that is a B-cell/humoral or a T-cell/cellular immune response component, and further comprising

at least one second binding site,

wherein the second binding site is an aptamer nucleic acid that binds to a target.~~, and~~

~~wherein the pre-existing immune response component is a B cell/humoral or a T-cell/cellular immune response component~~.

33. (Cancelled)

34. (Previously presented) The composition of Claim 32, wherein the pre-existing immune response component is an antibody to an alpha galactosyl epitope.

35. (Previously presented) The composition of Claim 32, wherein the immunity linkers comprise second binding sites that differ in specificity and affinity for binding sites on the target.

36. (Previously presented) The composition of Claim 32, wherein the immunity linkers comprise first binding sites that differ in specificity and affinity for binding sites on the immune response component.

37. (Previously presented) The composition of Claim 32, wherein the target is selected from bacteria, fungi, viruses, toxic substances or drugs

38. (Previously presented) The composition of Claim 32, wherein the composition comprises a population of immunity linkers having more than one second binding site to a single target.

39. (Previously presented) The composition of Claim 38, wherein the more than one second binding sites have different affinities to a single target.

40. (Previously presented) The composition of Claim 32, wherein the composition comprises a population of immunity linkers having multiple second binding sites against multiple targets.

41. (Previously presented) The composition of Claim 32, wherein the first and second binding sites are connected by a rigid or flexible spacer.

42. (Previously presented) The composition of Claim 32, wherein at least one of the aptamers contains 2'fluoro or 2'amino-2' deoxypyrimidines.